

SuperServer 5019C-MR



Integrated Board



[./products/motherboard/X11/X11SCM-F.cfm](https://products/motherboard/X11/X11SCM-F.cfm)

Super X11SCM-F [./products/motherboard/X11/X11SCM-F.cfm](https://products/motherboard/X11/X11SCM-F.cfm)

Views: | **Angled View** (/a_images/products/views/5019C-MR_angle.jpg) | **Top View** (/a_images/products/views/5019C-MR_top.jpg) | **Front View** (/a_images/products/views/5019C-MR_front.jpg) | **Rear View** (/a_images/products/views/5019C-MR_rear.jpg) |

[Drivers & Utilities](#) **[BIOS](#)** **[IPMI](#)** **[Tested Memory](#)**

[Tested M.2 List](#) (/zh_tw/support/resources/m2ssd?SystemID=86660&ProductName=SS5019C-MR)

[Manuals](#)

[OS Certification Matrix](#)
(/support/resources/OS/OS_Certification_Intel.cfm?MProduct_Name=SYS%2D5019C%2DMR)

[Quick-References Guide](#) **[Drive Options](#)**

[Network Card \(AOC\) Matrix](#) (/zh_tw/support/resources/aoc/standard)

Key Applications

General Purpose, SMB, Web Hosting
Application and data serving
Archiving, Mail/Finance, Security

Key Features

1. Single Socket H4 (LGA 1151) supports Intel® Xeon® processor E-2100 / E-2200 series, 8th/9th Gen. Intel® Core™ i3 Processors, Intel® Celeron®, Intel® Pentium®
2. Intel® C246 chipset
3. Up to 128GB ECC UDIMM, up to DDR4-2666MHz; 4 DIMM slots
4. 1 PCI-E 3.0 x16 slot
5. 4 Hot-swap 3.5" drive bays
6. **M.2 Interface:**
1 SATA/PCI-E 3.0 x4 and 1 PCI-E 3.0 x4
M.2 Form Factor: 2280/22110
M.2 Key: M-Key
7. 2 GbE LAN ports, 1 dedicated IPMI LAN
8. 2 USB 3.1 (rear), 2 USB 2.0 (rear)
9. 1 VGA, 1 COM (header), 1 TPM header
10. 400W High efficiency (96%)
Redundant PSU; Platinum Level

Note: Image above may show a varied configuration of optional parts. Please refer to parts list for standard parts included.

Specifications

Product SKUs

SYS-5019C-MR
SuperServer 5019C-MR (**Black**)

Motherboard

Super X11SCM-F
(</products/motherboard/X11/X11SCM-F.cfm>)

Processor

CPU
Single Socket H4 (LGA 1151),
CPU TDP support up to 95W
Support Intel® Xeon® processor E-2100 / E-2200 series, 8th/9th Gen.
Intel® Core™ i3 / Pentium® / Celeron® Processors

Cores
8 cores, 16 threads

Note
BIOS 1.0b or above is required to support Intel® Xeon® processor E-2200 series

System Memory

Memory Capacity
4 DIMM slots
Up to 128GB Unbuffered ECC UDIMM
Up to DDR4-2666MHz

Memory Type
2666/2400/2133MHz ECC DDR4 SDRAM

DIMM Sizes
32GB, 16GB, 8GB, 4GB

On-Board Devices

Chipset
Intel® C246 chipset

SATA
SATA3 (6Gbps) via Intel C246 controller
RAID 0, 1, 5, 10 support

IPMI
ASPEED AST2500

Network Controllers
Dual LAN with Intel® I210-AT

Video
ASPEED AST2500 BMC

Input / Output

SATA
6 SATA3 (6Gbps) ports; RAID 0, 1, 5, 10

LAN
2 RJ45 Gigabit Ethernet LAN ports
1 RJ45 Dedicated IPMI LAN port

USB
2 USB 3.1 ports (rear)
2 USB 2.0 ports (rear)

Video
1 VGA port

Serial Port / Header
1 COM port (header)

TPM
1 TPM 2.0 Header

System BIOS

Chassis

Form Factor
1U Rackmount

Model
CSE-813MFTQC-R407CB
(</products/chassis/1U/813/SC813MFTQC-R407C.cfm>)

Dimensions and Weight

Height
1.7" (43mm)

Width
17.2" (437mm)

Depth
19.85" (503mm)

Package
8.5" (H) x 23.4" (W) x 29.7" (D)

Weight
Gross Weight: 34 lbs (15.42 kg)
Net Weight: 21 lbs (9.53 kg)

Available Colors
Black

Front Panel

Buttons
Power On/Off button
System Reset button

LEDs
Power LED
Hard drive activity LED
Network activity LEDs
System Information LED

Expansion Slots

PCI-Express
1 PCI-E 3.0 x16 slot

M.2
M.2 Interface:
1 SATA/PCI-E 3.0 x4 and 1 PCI-E 3.0 x4
M.2 Form Factor: 2280/22110
M.2 Key: M-Key

Drive Bays

Hot-swap
4 Hot-swap 3.5" drive bays

System Cooling

Fans
4x 40x28mm PWM fans

AC/DC240V Input Redundant Power Supplies

400W 1U Redundant Power Supplies with PMbus

Total Output Power
400W

Dimension (W x H x L)
54.5 x 40 x 220 mm

Input
100 - 240Vac / 6.0 - 3.0A / 50-60Hz
200 - 240Vdc / 3.4 - 3.2A (CCC Only)

BIOS Type
UEFI 256Mb

BIOS Features
ACPI 6.0
SMBIOS 2.7
Plug and Play (PnP)
RTC (Real Time Clock) Wakeup
UEFI 2.7
USB Keyboard support
PCI 3.0

Management

Software
Intel® Node Manager
[IPMI 2.0 \(/solutions/IPMI.cfm\)](#)
NMI
[SSM \(/solutions/SMS_SSM.cfm\)](#), [SPM \(/solutions/SMS_SPM.cfm\)](#), [SUM \(/solutions/SMS_SUM.cfm\)](#)
Watch Dog
[SuperDoctor® 5 \(/products/nfo/SMS_SD5.cfm\)](#)

+12V
Max: 33A / Min: 0.5A

+5V sb
Max: 3A / Min: 0A

Output Type
Gold Finger Connector Mating with Molex 45984-4343

Certification

(<http://www.plugloadsolutions.com/80PlusPowerSupply?id=69&type=2>).
Platinum Level Certified
[**Test Report (/products/powersupply/80PLUS/80PLU407P-1R.pdf)**]

PC Health Monitoring

CPU
Monitors for CPU Cores, +3.3V, +5V, +12V, +5V Standby, VBAT, HT, Memor Voltages.

FAN
6x 4-pin fan headers (up to 6 fans), 6 fans with tachometer status monit speed control, Overheat LED indication, Thermal control tachometer fa

Temperature
Monitoring for CPU and chassis environment, CPU thermal trip support Monitor 2 (TM2) support, PECI

Operating Environment / Compliance

RoHS
RoHS Compliant

Environmental Spec.
Operating Temperature:
10°C to 35°C (50°F to 95°F)
Non-operating Temperature:
-40°C to 70°C (-40°F to 158°F)
Operating Relative Humidity:
8% to 90% (non-condensing)
Non-operating Relative Humidity:

Parts List

Global SKU ([/zh_tw/products/SMC_global_skus](#))